

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2004/000969

A. CLASSIFICATION OF SUBJECT MATTER

H04L9/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

G02B,H04L

Minimum documentation searched (classification system followed by classification symbols)

G02B26/08,H04L9/08,9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CHINA JOURNAL

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

quantum w cryptogra+, quantum w key w distribut+, polariz+, polaris+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US6529601B1 (Paul D. Townsend, Ipswich (GB);04.Mar.2003,column4,line30 to column7,line50,Fig.1 to 4)	1、2、5—10
Y		4
X	US6438234B1(Nicolas Gisin, Geneva(CH) et al;20.Aug.2002,column2,line32 to column6,line 61,Fig.1 to 3)	1、3
X	US6188768B1(Donald Stimson Bethume, San Jose et al;13.Feb.2001,column3, line42 to column4,line35,Fig.1)	1
Y		4
X	CN1135820A (MINA) UK SEC FOR DEFENCE; (MINA) UK SEC STATE OR DEFENCE; 12.Nov. 1996, page11, the last line to page13, the last	1
A	US5307410A(Charles H. Bennett, Croton-On-Hudson, N.Y.;26,Apr.1994,see the whole document)	1-12

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

“A” document defining the general state of the art which is not considered to be of particular relevance

“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

“E” earlier application or patent but published on or after the international filing date

“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

“L” document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)

“&” document member of the same patent family

“O” document referring to an oral disclosure, use, exhibition or other means

“P” document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search

21.Apr.2005 (21.04.2005)

Date of mailing of the international search report

11 · MAY 2005 (11 · 05 · 2005)

Name and mailing address of the ISA/CN

The State Intellectual Property Office, the P.R.China
6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China
100088
Facsimile No. 86-10-62019451

Authorized officer

MA , Yan

Telephone No. (86-10)62085825



INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN 2004/000969